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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/645,759	08/25/2000	Howard W. DeMoore	73310 75053	3933
30652	7590	12/11/2003	EXAMINER	
CONLEY ROSE, P.C. 5700 GRANITE PARKWAY, SUITE 330 PLANO, TX 75024			NGUYEN, CAMTU TRAN	
			ART UNIT	PAPER NUMBER

3743

DATE MAILED: 12/11/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/645,759

Applicant(s)

DEMOORE, HOWARD W.

Examiner

Camtu T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 23 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 18-51 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 18-51 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Applicant's response to restriction requirement*

This Office Action is response to applicant's response to the restriction requirement filed on October 23, 2003. Applicant's election without traverse of claims 18-51 in Paper No. 13 is acknowledged. Claims 1-17 have been cancelled.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 18-23, 25-51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Epps (U.S. Patent No. 6,125, 759) in view of Rudd (U.S. Patent No. 5,953,833). Epps discloses in Figure 1 an in-line printing press (10) having a plurality of laterally spaced printing units (12) a liquid printing substance such as ink is applied to sheets or substrates (14) and a plurality of infrared heating/drying units (30) are interposed between the printing units (12) for transmitting infrared radiation to the moving printed sheets (14). Figure 1 further discloses the dryer units (30) comprising cabinet (32), which supports infrared elements (34), which include series of infrared lamps. The cabinet (32) includes at least one exhaust port (36) which is coupled to and communicates with exhaust or suction blower (38), as shown in Figure 1. A continuous supply of make-up air is from supply blower (40) which is directed into the interior of the cabinet (32).

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Figure 1 and 2 disclose a temperature sensor (60) specifically arranged in the printing press (10) so as to monitor the temperature of the transfer plate (50) in the area of each of the infrared dryer units (30). However, Epps also teaches one of skilled in the art would appreciate the temperature sensor (60) can be located in any location so long it is capable of monitoring the temperature in the vicinity of the infrared dryer (30). Epps further discloses a controller (68) but does not teach the controller (68) being operable to adjust the output of the heating area in response to the signals generated by the sensors (column 2 lines 43-67, column 3 lines 1-13, column 4 lines 3-35). Rudd discloses in Figure 1 a dryer system (10) for drying a coating applied to substrate (12) or a continuous web moving within the dryer system (10) comprising a conventional controller (31) unit that includes both the power controls and process controls. The controller (31) is electrically coupled to temperatures sensors (30) and the controller (31) uses the sensed temperature of roll (32) sensed by temperature sensors (30) to control energy emitter (24) to vary the energy applied to the substrates, such energy is absorbed by substrate (12) to dry the coatings applied to the substrate (12), see column 5 lines 19-29). Therefore it would have been obvious to one skilled in the art to consider the controller suggested by Rudd for each of Epps's printing units for the purpose of energy saving and as well as safety. With regards to claim 18, the Epps printing press, as modified, would inherently include a power supply, as recited. With regards to claim 20, the Epps reference, as illustrated in Figure 2, teaches the fire extinguishing system (72), which is a pressurized extinguishing agent which discharges via nozzles into the infrared dryer unit (30). As illustrated, the temperature sensor (60) would benefit such pressurized agent for which it would prevent dust from interfering with the operation of the sensors. With regards to claims 22 and 23, the Epps printing press, as illustrated in Figure 5, teaches when the

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temperature sensor (60) senses a temperature in excess of a predetermined value, it sends a signal to the control (68), thereby, the Epps reference would inherently include one or more programmable controllers for which it receives the sensor output or readings. The Epps reference, as modified, would inherently capable of carrying out the steps recited in the method claims.

Claim 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over Epps (U.S. Patent No. 6,125, 759), as modified above, and further in view of Desaulniers et al (U.S. Patent No. 6,505,557). Epps, as modified above, discloses elements as recited except for the touchscreen. Desaulniers et al discloses a system and a process for controlling temperature of a rotary process such as a printing press comprising a PLC controlled system coupled with a touch screen (column 14 lines 25-48). Therefore it would have been obvious to one skilled in the art to modify the controller of Epps for the PLC controlled system taught by Desaulniers et al as such electronic interface would allow the operator to set the required process temperature for a plurality of press units and also permit the operator to oversee the integrity of the dynamic printing process temperature control system.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

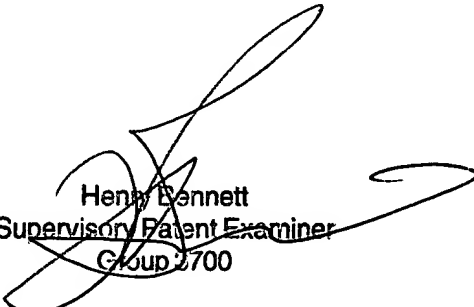
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Camtu T. Nguyen whose telephone number is 703-305-0537. The examiner can normally be reached on (M-F) 8:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry A. Bennett can be reached on 703-308-0101. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9302.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1148.

Camtu Nguyen  
December 2, 2003



Henry A. Bennett  
Supervisory Patent Examiner  
Group 2700